

Solid Waste Stabilization and Disposition (RL-0013)/Nuclear Facility D&D, River Corridor Closure (RL-0041)/Operate Waste Disposal Facility (RL-0080)/SNF Stabilization and Disposition Storage Ops (HQ-0012X)

**D. E. McKenney, Vice President of Solid Waste
Storage and Disposal
(509) 376-1589**



***Waste Retrieval -
Contaminated area in Trench 4***



Overview

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*; RL-0041, *Nuclear Facility D&D, River Corridor Closure*; RL-0080, *Operate Waste Disposal Facility*; and HQ-0012X, *SNF Stabilization and Disposition Storage Operations*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2006.

Notable Accomplishments

Spent Nuclear Fuel Sludge Processing: Processing of 70 percent of North Load-out Pit (NLOP) sludge at T Plant (141 of a planned 200 waste product drums through January) was completed.

Transuranic (TRU) Waste Program: A backlog of 380 cubic meters (m³) (130 payloads) of certified waste was available for shipment at the end of January (versus 260 m³ and 89 payloads at the end of December). The fifth Performance Incentive increment was achieved in January. Installation was completed of a hoist and A-frame in 2404-WC for loading of Ten Drum Overpacks (TDOPs).

TRU Waste Retrieval: A total of 58 m³ of suspect Transuranic (TRU) waste was retrieved in January for a cumulative total of 3,323 m³.

Mixed Low Level Waste (MLLW): Twenty m³ of Mixed Low-Level Waste (MLLW) were dispositioned during January for a cumulative total of 4,963 m³. The Project supported recovery efforts from a contaminated shipment of Pacific Northwest National Laboratory (PNNL) waste from PECoS to the mixed waste trench in 200 West area.

FY 2006 Funds vs. Spend Forecast (\$M)

		Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance	
RL-0013	Solid Waste Stabilization & Disposition	\$ 164.0	\$ 165.3	\$	-1.3
RL-0041	Nuclear Facility D&D, River Corridor	\$ 2.4	\$ 2.4	\$	0.0
RL-0080	Operate Waste Disposal Facility	\$ 3.4	\$ 2.8	\$	0.6
HQ-0012X	SNF Stabilization & Disposition	\$ 1.6	\$ 1.6	\$	0.0
Total		\$ 171.3	\$ 172.2	\$	-0.8

FY 2006 Schedule/Cost Performance (\$M)

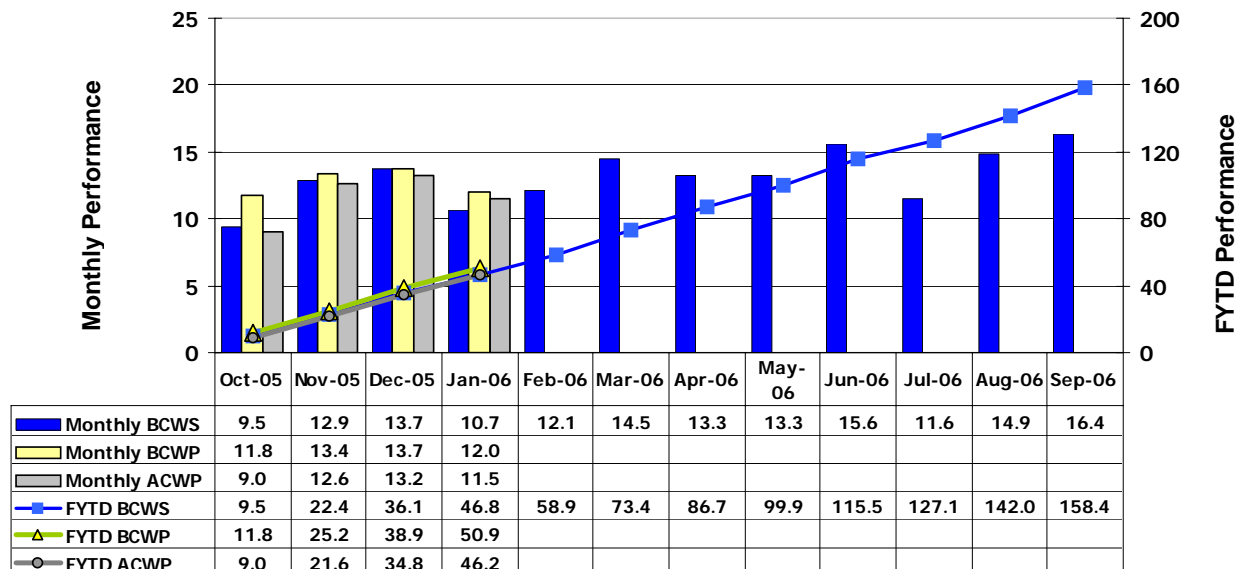
		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013	Solid Waste Stabilization & Disposition	\$45.0	\$49.2	\$44.8	\$4.2	9.3%	\$4.4	8.9%	\$151.8
RL-0041	Nuclear Facility D&D, River Corridor Closure	\$0.7	\$0.7	\$0.7	\$0.0	0.5%	\$0.0	4.0%	\$2.4
RL-0080	Operate Waste Disposal Facility	\$0.7	\$0.7	\$0.5	\$0.0	0.0%	\$0.1	19.7%	\$2.8
HQ-0012X	SNF Stabilization and Disposition	\$0.4	\$0.4	\$0.2	\$0.0	0.0%	\$0.2	46.5%	\$1.3
Total		\$46.8	\$50.9	\$46.2	\$4.2	8.2%	\$4.7	9.3%	\$158.4

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

Schedule Performance (\$+4.2M/+8.2%): The positive schedule variance in RL-0013 is due to TRU waste certification four months ahead of schedule, and Carlsbad Area Field Office approval of previously processed Standard Waste Boxes (SWBs), offset by continued weather-related delays and degraded container conditions in TRU Retrieval and limited thermal treatment at PEcoS.

Cost Performance (+\$4.7M/+9.3%): The cost variance in PBS RL-0013 is due to production efficiencies with higher volumes in the TRU Program, and certification of previously processed SWBs, offset by reduced production in TRU retrieval due to weather and degraded container conditions.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comment
M-91-40C (WMG-06-002)	Retrieve a cumulative 2,700 m ³	TPA	12/31/05	7/21/05		Complete
M-91-42B (WMG-06-013)	Treat a cumulative 3,260 m ³ of Waste to LDR Requirements	TPA	12/31/05	12/7/04		Complete
M-26-01P	Submit Annual LDR Report	TPA	4/30/06		4/28/06	On Schedule
M-91-45C	Submit Report on Completed and Scheduled work on RH Boxes and LC RH/CH Waste	TPA	9/30/06		9/29/06	On Schedule
M-16-93	Workplan for preparation of TRU/TRUM Waste	TPA	9/30/06		9/29/06	On Schedule
M-91-40D (WMG-07-002)	Retrieve a cumulative 4,700 m ³	TPA	12/31/06		9/29/06	Ahead of Schedule
M-91-40R (WMG-07-003)	Complete Retrieval of Trench 4, Burial Ground 218-W-4C	TPA	12/31/06		12/29/06	On Schedule
M-91-42C (WMG-07-004)	Treat a cumulative 4,890 m ³ of Waste to LDR Requirements	TPA	12/31/06		12/29/06	On Schedule
M-91-12	Complete thermal treatment of a cumulative 600 m ³ of CH-MLLW	TPA	11/16/07		11/16/07	On Schedule